

# Raw Sequence Listing Error Summary

OIPSE

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 101021, 403

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i)      SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>      Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



**Does Not Comply**  
**Corrected Diskette Needed**

OIPE

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/10/021,403

DATE: 04/30/2002

TIME: 14:20:42

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\04302002\J021403.raw

3 <110> APPLICANT: Schwartz, Robert A.  
4 Draghia-Akli, Ruxandra  
5 Smith, Roy G.  
6 Carpenter, Robert H.  
7 Kern, Douglas R.  
9 <120> TITLE OF INVENTION: Administration of Nucleic Acid Sequence to Female Animal to  
Enhance Growth in Offspring  
10  
12 <130> FILE REFERENCE: HO-P02021US1/10021476/OTA 00-91  
W--> 13 <140> CURRENT APPLICATION NUMBER: 10/021,403  
C--> 14 <141> CURRENT FILING DATE: 2002-04-11  
16 <150> PRIOR APPLICATION NUMBER: 60/255,021  
17 <151> PRIOR FILING DATE: 2000-12-12  
19 <160> NUMBER OF SEQ ID NOS: 11  
21 <170> SOFTWARE: PatentIn version 3.1  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 40  
25 <212> TYPE: PRT  
26 <213> ORGANISM: Pig  
28 <400> SEQUENCE: 1  
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31 1 5 10 15  
34 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Met Ser Arg Gln Gln Gly  
35 20 25  
38 Glu Arg Asn Gln Glu Gln Gly Ala  
39 35 40  
42 <210> SEQ ID NO: 2  
43 <211> LENGTH: 48  
44 <212> TYPE: DNA  
45 <213> ORGANISM: Synthetic  
47 <400> SEQUENCE: 2  
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51 <210> SEQ ID NO: 3  
52 <211> LENGTH: 42  
53 <212> TYPE: DNA  
54 <213> ORGANISM: Synthetic  
56 <400> SEQUENCE: 3  
57 accctcagga tgcggcgga cgtagatgcc atcttcacca ac 42  
60 <210> SEQ ID NO: 4  
61 <211> LENGTH: 27  
62 <212> TYPE: DNA  
63 <213> ORGANISM: Synthetic  
65 <400> SEQUENCE: 4  
66 cggaaggtgc tggcccagct gtccgcc 27

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

↑  
invalid response, see error summary sheet item 10

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Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\04302002\J021403.raw

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79 <211> LENGTH: 358
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81 <213> ORGANISM: Synthetic
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88 cagggtgttg cgctctaaaa ataactcccg ggagttatgt ttagagcgga ggaatggtgg          180
90 acacccaaat atggcgacgg ttccctcacc gtccgcatat ttgggtgtcc gccctcggcc          240
92 ggggccgcat tcctgggggc cgggcgggtgc tcccgccgc ctcgataaaa ggctccgggg          300
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98 <211> LENGTH: 623
99 <212> TYPE: DNA
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107 ttctataata ttatgggggtg gaggggggtg gtatggagca aggggcaagt tgggaagaca          180
109 acctgtaggg cctgcgggggt ctattgggaa ccaagctgga gtgcagtggc acaatcttgg          240
111 ctcaactgcaa tctccgcctc ctgggttcaa gcgattctcc tgcctcagcc tcccagattg          300
113 ttgggattcc aggcattgcat gaccaggctc agctaatttt tgtttttttg gtagagacgg          360
115 ggtttcacca tattggccag gctggtctcc aactcctaata ctcaggatgat ctaccacact          420
117 tggcctccca aattgctggg attacaggcg tgaaccactg ctcccttccc tgtccttctg          480
119 atttttaaaat aactatacca gcaggaggac gtccagacac agcataggct acctggccat          540
121 gcccaccggt tgggacattt gagttgcttg cttggcactg tcctctcatg cgttgggtcc          600
123 actcagtaga tgctgttga att                                     623
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127 <211> LENGTH: 40
128 <212> TYPE: PRT
129 <213> ORGANISM: Synthetic
131 <400> SEQUENCE: 8
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134 1          5          10          15
137 Leu Ser Ala Arg Lys Leu Leu Gln Asp Ile Leu Asn Arg Gln Gln Gly
138          20          25          30
141 Glu Arg Asn Gln Glu Gln Gly Ala
142          35          40
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146 <211> LENGTH: 3534
147 <212> TYPE: DNA
148 <213> ORGANISM: Synthetic
150 <400> SEQUENCE: 9

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Input Set : A:\PTO.VSK.txt

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155	gtgaggaatg	gtggggagtt	atTTTTtagag	cggtgaggaa	ggtagggcagg	cagcaggtgt	180
157	tggcgctcta	aaaataaactc	ccgggagtta	TTTTtagagc	ggaggaatgg	tggacaccca	240
159	aatatggcga	cggttccctca	cccgctcgcca	tatttggttg	tccgccctcg	gccggggccg	300
161	cattcctggg	ggccggggcg	tgtccccgcc	cgctcgata	aaaggctccg	gggccggcg	360
163	cggccccacga	gctacccgga	ggagcgggag	gcgccaaagt	ctagaactag	tggatcccaa	420
165	ggcccaactc	cccgaaccac	tcagggtcct	gtggacagct	cacctagctg	ccatggtgct	480
167	ctgggtgttc	ttctttgtga	tcctcaccct	cagcaacagc	tcccactgct	ccccacctcc	540
169	ccctttgacc	ctcaggatgc	ggcggcagct	agatgccatc	ttcaccaaca	gctaccggaa	600
171	ggtgctggcc	cagctgtccg	cccgcaagct	gtcccaggac	atcctgaaca	ggcagcagg	660
173	agagaggaac	caagagcaag	gagcataatg	actgcaggaa	ttcgatatca	agcttatcgg	720
175	ggtggcatcc	ctgtgacccc	tccccagtgc	ctctcctggc	cctggaagtt	gccactccag	780
177	tgccaccacg	ccttgctcta	ataaaattaa	gttgcatcat	tttgtctgac	taggtgtcct	840
179	tctataatat	tatggggtgg	aggggggtgg	tatggagcaa	ggggcaagtt	gggaagacaa	900
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183	tcactgcaat	ctccgcctcc	tgggttcaag	cgattctcct	gcctcagcct	cccaggttgt	1020
185	tgggattcca	ggcatgcatg	accaggctca	gctaattttt	gttttttttg	tagagacggg	1080
187	gtttcaccat	attggccagg	ctggtctcca	actcctaate	tcaggtgatc	taccacctt	1140
189	ggcctcccaa	attgctggga	ttacaggcgt	gaaccactgc	tcccttccct	gtccttctga	1200
191	ttttaaaata	actataccag	caggaggacg	tccagacaca	gcataggcta	cctggccatg	1260
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197	tttgttccct	ttagttaggg	ttaatttcga	gcttggcgta	atcatggtca	tagctgtttc	1440
199	ctgtgtgaaa	ttgttatccg	ctcacaattc	cacacaacat	acgagccgga	agcataaagt	1500
201	gtaaagcctg	gggtgcctaa	tgagttagct	aactcacatt	aattgcgttg	cgctcactgc	1560
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211	accgtaaaaa	ggcgcggttg	ctggcgtttt	tccataggct	ccgccccctt	gacgagcatc	1860
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231	gaaaaaaagg	atctcaagaa	gatacctttga	tcttttctac	ggggtctgac	gctcagaaga	2460
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235	gcacgaggaa	gcggtcagcc	cattcgccgc	caagctcttc	agcaatatca	cgggtagcca	2580
237	acgctatgtc	ctgatagcgg	tccgccacac	ccagccggcc	acagtcgatg	aatccagaaa	2640
239	agcggccatt	ttccaccatg	atattcgcca	agcaggcatc	gccatgggtc	acgacgagat	2700
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243	gatgctcttc	gtccagatca	tcctgatcga	caagaccggc	ttccatccga	gtacgtgctc	2820
245	gctcgtatgc	atgtttcgct	tgggtggcga	atgggcagg	agccgatca	agcgtatgca	2880
247	gccgcgcgat	tgcacagcc	atgatggata	ctttctcgcc	aggagcaagg	tgagatgaca	2940

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Input Set : A:\PTO.VSK.txt

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253 cgtcctgcag ttcattcagg gcaccggaca ggtcggctctt gacaaaaaga accggggccc 3120
255 cctgcgctga cagccggaac acggcggcat cagagcagcc gattgtctgt tgtgccagt 3180
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261 agatccttgg cggcaagaaa gccatccagt ttactttgca gggcttccca accttaccag 3360
263 agggcgcccc agctggcaat tccggttcgc ttgctgtcca taaaaccgcc cagtctagca 3420
265 actgttggga agggcgatcg gtgcgggccc cttcgcctatt acgccagctg gcgaaagggg 3480
267 gatgtgctgc aaggcgatta agttgggtaa cgccagggtt tcccagtcac cgac 3534
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271 <211> LENGTH: 2192
272 <212> TYPE: DNA
273 <213> ORGANISM: Synthetic
275 <400> SEQUENCE: 10
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278 aatttcgagc ttggcgtaat catggtcata gctgtttcct gtgtgaaatt gttatccgct 120
280 cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaattg 180
282 agtgagctaa ctacatttaa ttgctgtcgc ctactgccc gctttccagt cgggaaacct 240
284 gtcgtgccag ctgcattaat gaatcggcc aacgcggggg agaggcgggt tgcgtatttg 300
286 gcgctcttcc gcttccctgc tcaactgact gtcgttcggc tgcggcgagc 360
288 ggtatcagct cactcaaagg cggtaatacg gttatccaca gaatcagggg ataacgcagg 420
290 aaagaacatg tgagcaaaa ggcagcaaaa ggccaggaa cgtaaaaagg ccgcgttgct 480
292 ggcgtttttc cataggctcc gccccctga cgaagcatc aaaaatcgac gctcaagtc 540
294 gaggtggcga aaccgcagag gactataaag ataccaggcg tttccccctg gaagctccct 600
296 cgtgcgctct cctgttccga ccctgcgct taccggatac ctgtccgctt ttctcccttc 660
298 gggaagcgtg gcgctttctc atagctcacg ctgtaggtat ctgagttcgg tgtaggtcgt 720
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304 cactggtaac aggattagca gagcgaggta tgtaggcggg gctacagagt tcttgaagt 900
306 gtggcctaac tacggctaca ctagaagaac agtatttggt atctgcgctc tgcgtaagcc 960
308 agttaccttc ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag 1020
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338 ccaagcggcc ggagaacctg cgtgcaatcc atcttgttca atcatgcgaa acgatcctca 1920
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DATE: 04/30/2002

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TIME: 14:20:42

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\04302002\J021403.raw

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348 ttgggtaacg ccagggtttt ccagtcacg ac 2192
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352 <211> LENGTH: 308
353 <212> TYPE: DNA
354 <213> ORGANISM: Pig
356 <400> SEQUENCE: 11
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361 cccacctccc ctttgaccc tcaggatgcg gcggcacgta gatgccatct tcaccaacag 180
363 ctaccggaag gtgctggccc agctgtccgc ccgcaagctg ctccaggaca tcctgaacag 240
365 gcagcagga gagaggaacc aagagcaagg agcataatga ctgcaggaat tcgatataa 300
367 gcttatcg 308

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/021,403

DATE: 04/30/2002

TIME: 14:20:43

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\04302002\J021403.raw

L:13 M:283 W: Missing Blank Line separator, <140> field identifier

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date